

# Soumyadip Nayak

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## Skills

### Programming

- Python (3+ yrs)
- SQL (3+ yrs)
- JavaScript (2+ yrs)
- Dart (1 yr)
- C/C++ (2+ yrs)

### Technology/Tools

- AWS
- GCP
- Git
- BitBucket
- PostgreSQL
- Selenium
- Pandas
- FastAPI
- ReactJS
- NodeJS
- NestJS
- Jira

## Education

### Chandigarh University

Masters in Computer Applications  
2025 – Present  
CGPA: 8.8 / 10 (Upto 1<sup>st</sup> Semester)

### Ramakrishna Mission

#### Residential College

B.Sc (Hons.) in Mathematics  
Minor: Computer Science, Statistics  
2019 – 2022  
CGPA: 7.28 / 10

## Languages

English (Professional)  
Bengali (Native)  
Hindi (Basic)

## Experience

### Intelligent Revenue LLP

Software Engineer  
Dec 2023 – Aug 2025

- Developed a web scraping bot in **Python** using **Selenium** and **requests** library that fully automated a manual data collection workflow. Used **mypy** and **pytest** for code quality and unit testing
- Defined ELT logic and generated excel reports from the extracted data using **Pandas**
- Created **EC2** instances to
  1. run the scraping workload
  2. host a SonarQube server
- Created **RDS** and **AppRunner** services in AWS using **Cloudformation** which brings high availability and elasticity
- Created functions, views in **PostgreSQL** database to execute CRUD operations
- Created a webhook API using **FastAPI** and **SQS** that handles interaction with third party services
- Created and maintained Lambda functions in AWS using **SAM Framework** which streamlined development and testing procedures
- Enforced user and network level restrictions in AWS using **IAM** and **VPC**
- Implemented user authentication and RBAC authorization using **Auth0**
- Created templates for **BitBucket pipeline** that automated CI/CD workload

### Digital Avenues Infotech Pvt. Ltd.

Software Engineer  
Oct 2022 – Dec 2023

- Developed a web scraping bot in **Python** using **Scrapy**, **Selenium** and **BeautifulSoup** library to collect data from various websites regularly
- Defined ETL logic over the extracted data using **Pandas**
- Created functions, tables, views in **PostgreSQL** database to execute CRUD operations
- Created stored procedures and table functions in **BigQuery** to execute data warehousing tasks
- Created **Compute Engine**, **App Engine** and **Cloud Function** resources to execute scraping, ETL tasks
- Developed functionality to interact with **Google Cloud Natural Language API** to accomplish text classification and translation tasks
- Developed prototype text classification model using **Keras**

Software Trainee

Jul 2022 – Sep 2022

- Received training to develop fullstack application using **PostgreSQL**, **ExpressJS**, **AngularJS**, **NodeJS**